

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5926 - L2 Version 5
Chandra X-Ray Center

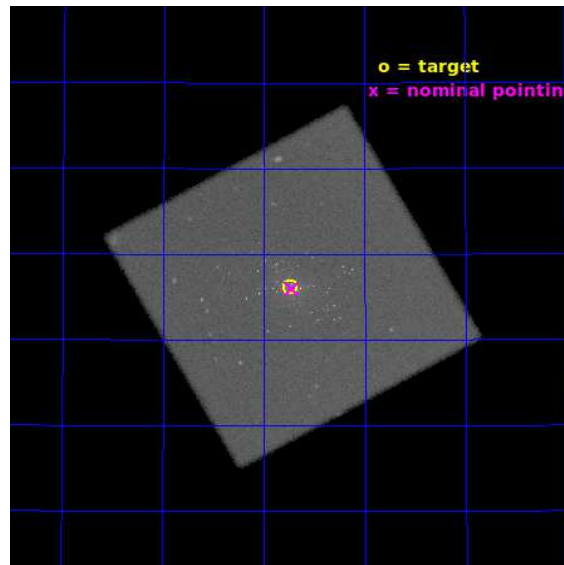
L2 Processing Date : Oct 5 2020

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1 Front

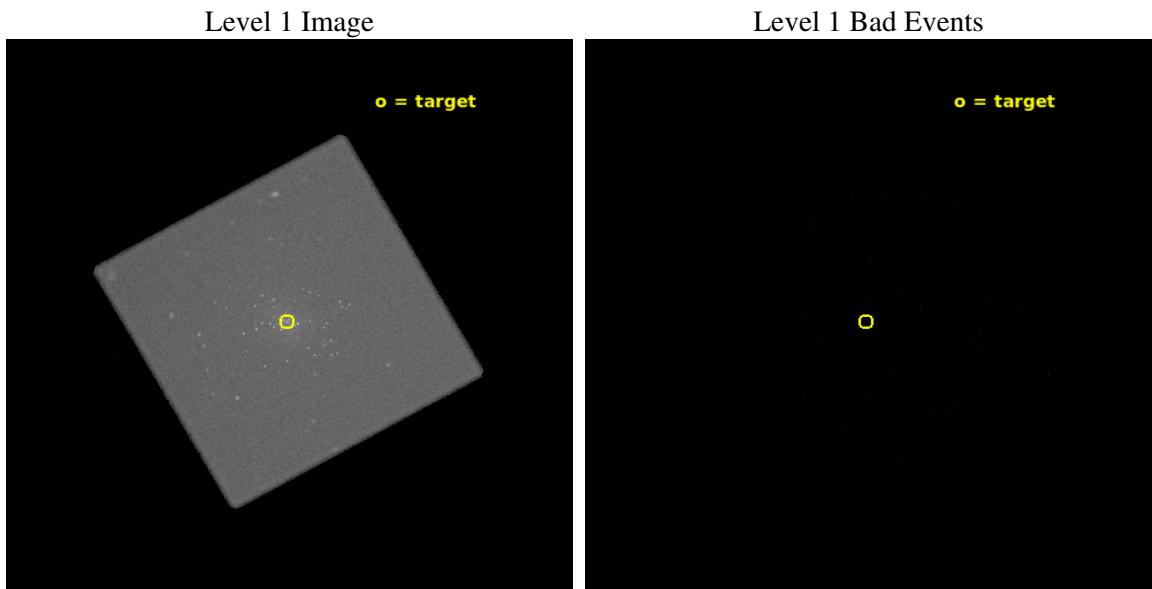
seq_num	600445	Sequence number
obs_id	5926	Observation id
title	M31* - The Nearest Extra-galactic SuperMassive Black Hole	Proposal
observer	Dr. Michael Garcia	Principal investigator
object	M31*	Source name
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.680734264501	Nominal RA [deg]
dec_nom	41.266175774404	Nominal Dec [deg]
roll_nom	285.61906430429	Nominal Roll [deg]
revision	5	Processing version of data
ontime	28474.50128296	[s]
livedtime	28265.388761131	Ontime multiplied by DTCOR
l2events	1167177	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	28300.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	28474.50128296	[s]
caldbver	4.9.2	 	l1events	1774591	Number of level 1 events
date	2020-10-05T19:43:15	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

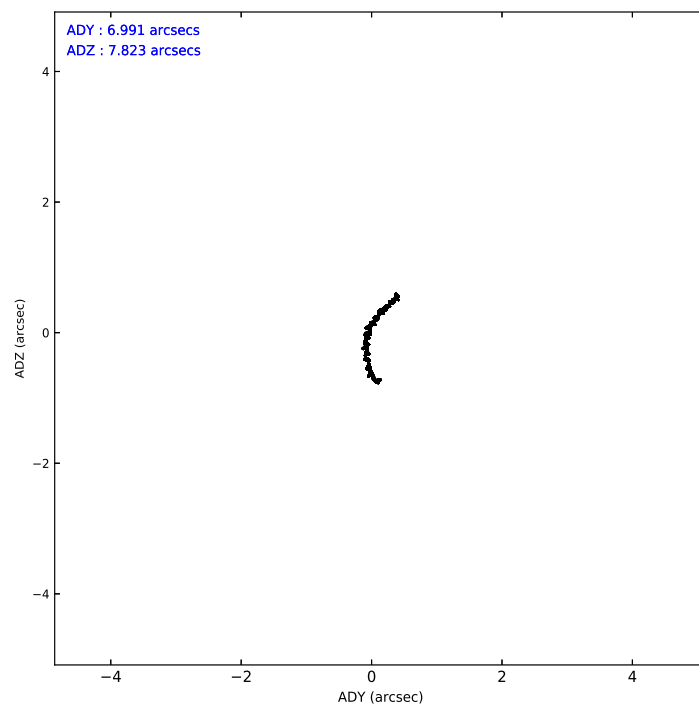
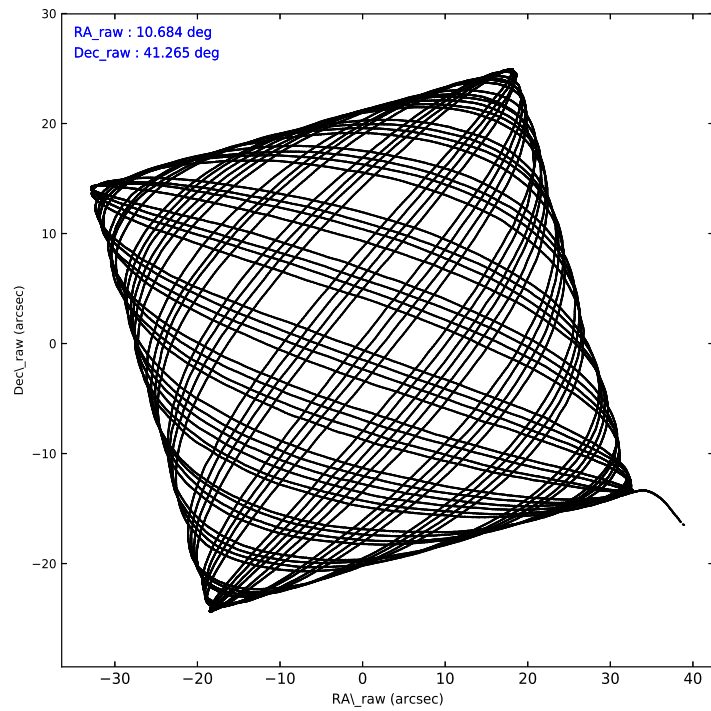
Level 1 Events

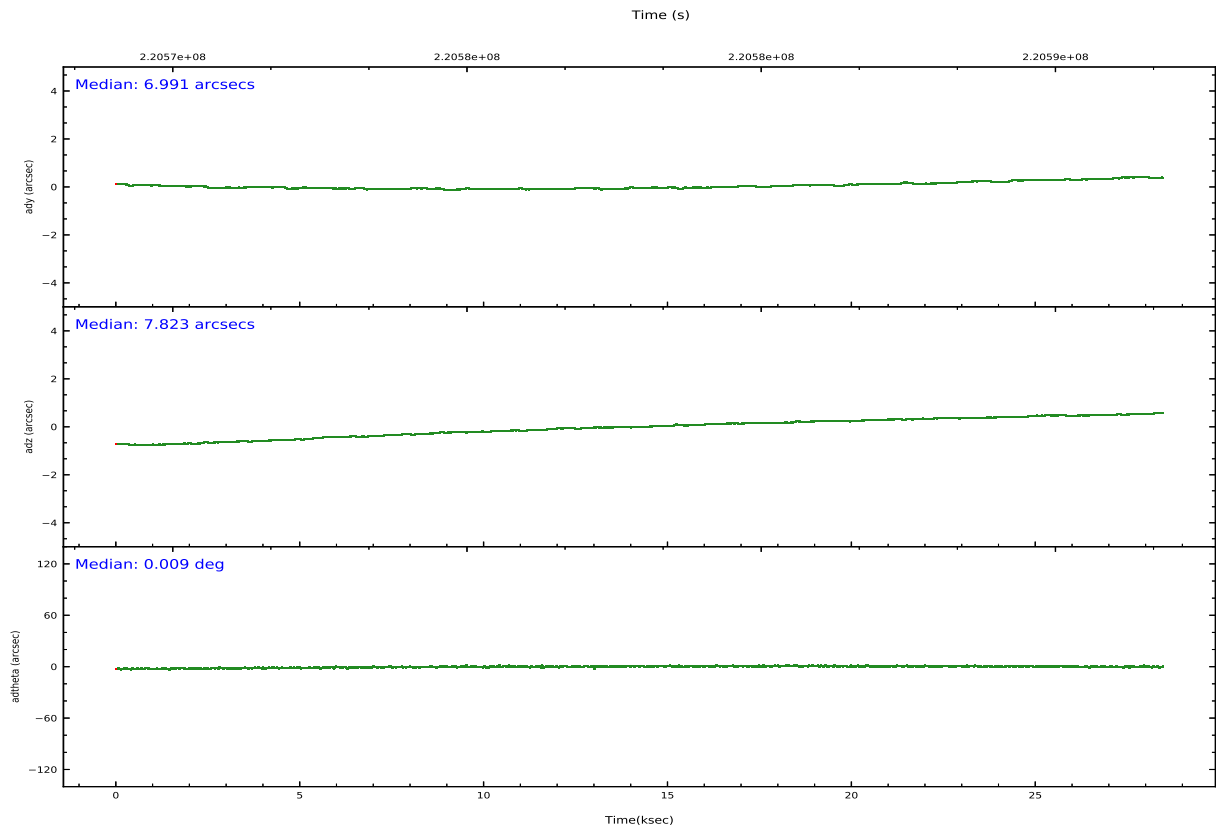
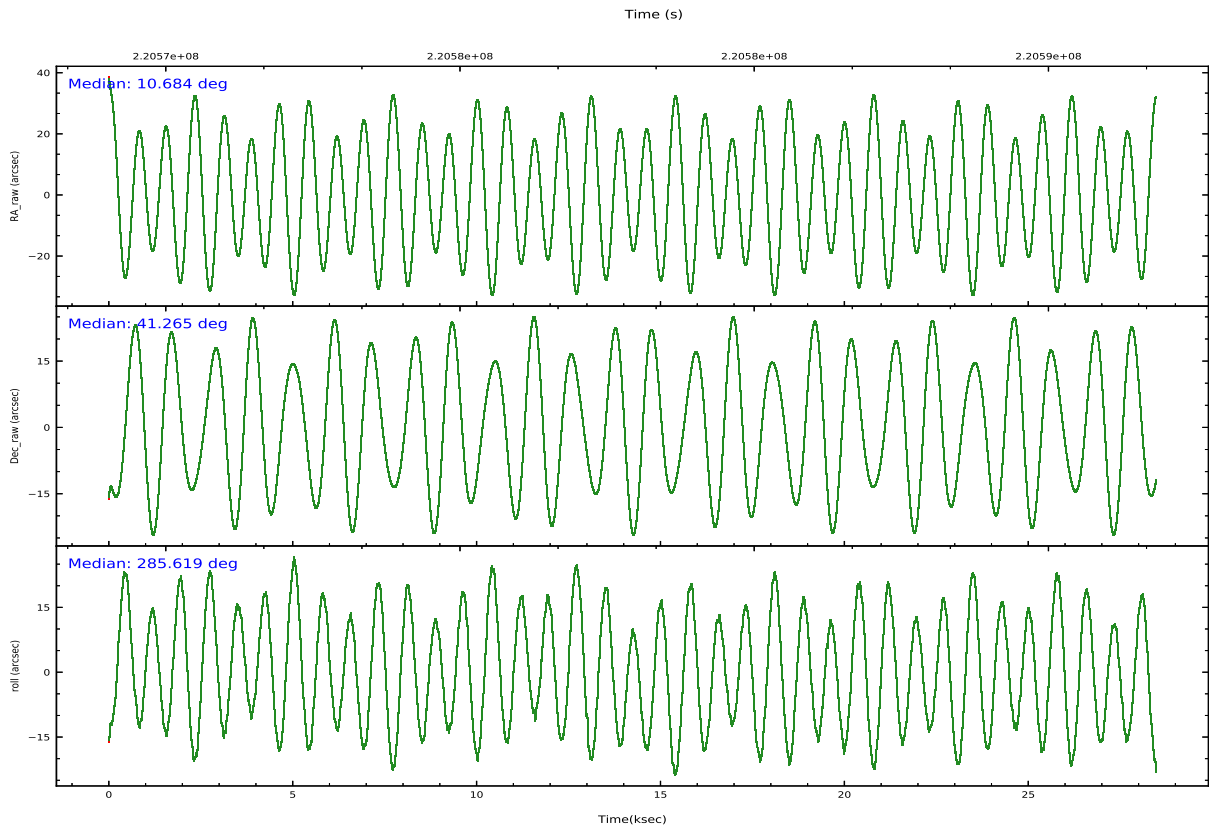
	segment 0
level 1 events	1774591
rejected events	50571
rejected %	2%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar version number	8	8
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	10.657967	10.680734264501			
[deg] Pointing Dec	41.283329	41.266175774404			
[deg] Pointing Roll	285.745315	285.61906430429			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	220566627.184000	220565681.59582			
Observation start date	2004-12-27T20:29:23	2004-12-27T20:14:41			
[s] Observation end time (MET)	220594927.184000	220595686.42217			
Observation end date	2004-12-28T04:21:03	2004-12-28T04:34:46			

2.3 Aspect





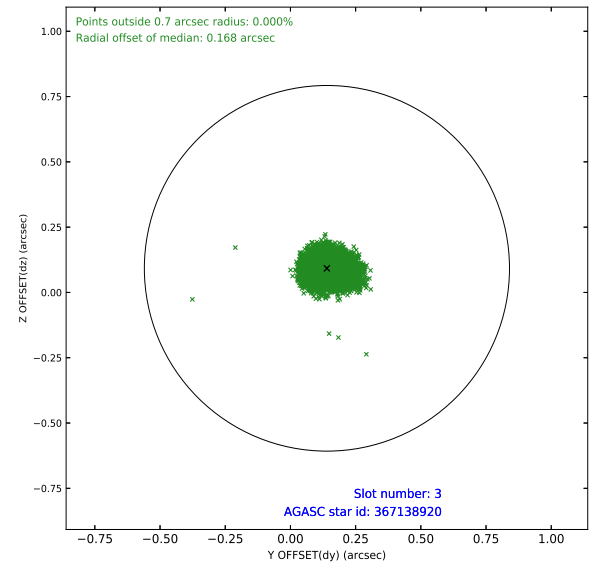
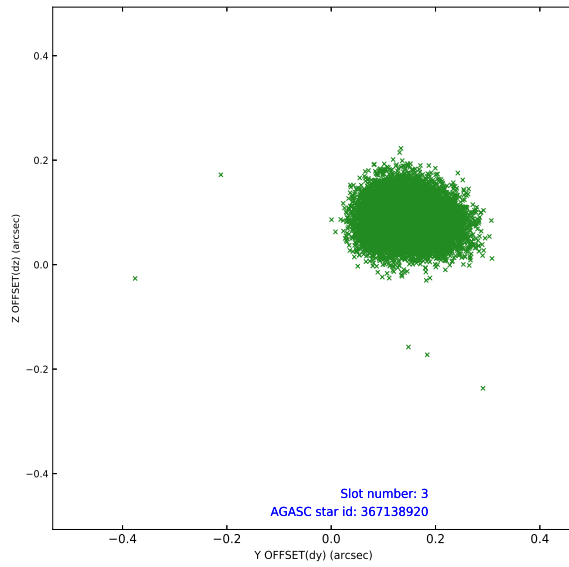
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.99	6946	1.000	-0.001	0.016	0.020	0.034	0.000000	0.000000	-762.65	-1295
1	FID		HRC-I-2	7.02	6945	1.000	0.135	-0.104	0.012	0.023	0.000000	0.000000	850.01	-1297
2	FID		HRC-I-3	7.07	6946	1.000	-0.017	-0.001	0.012	0.019	0.000000	0.000000	-1191.00	1008
3	GUIDE	used	367138920	7.74	13890	1.000	0.140	0.092	0.058	0.097	11.513485	40.808909	2265.95	1784
4	GUIDE	used	367146616	8.85	13887	1.000	0.004	0.061	0.093	0.148	11.418645	41.190163	873.46	1895
5	GUIDE	used	367148872	7.23	13891	1.000	0.025	-0.082	0.071	0.114	10.505940	40.688258	1949.46	-980
6	GUIDE	used	367658664	9.61	13881	1.000	-0.020	-0.007	0.108	0.183	10.374070	41.369746	-508.53	-653
7	GUIDE	used	367663272	9.29	13805	1.000	-0.153	-0.062	0.087	0.141	10.656279	41.699429	-1443.08	401

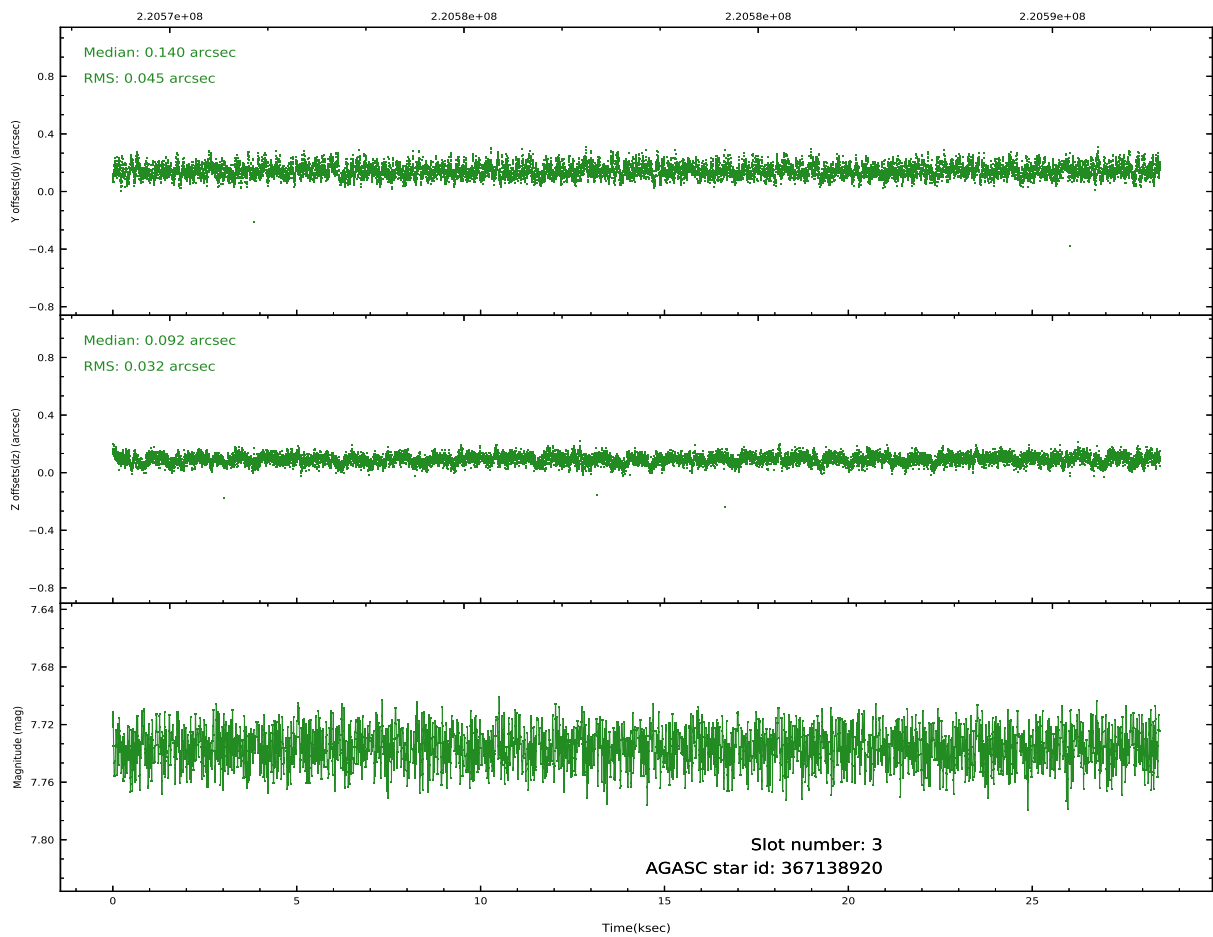
∞

2.4 Star Slots

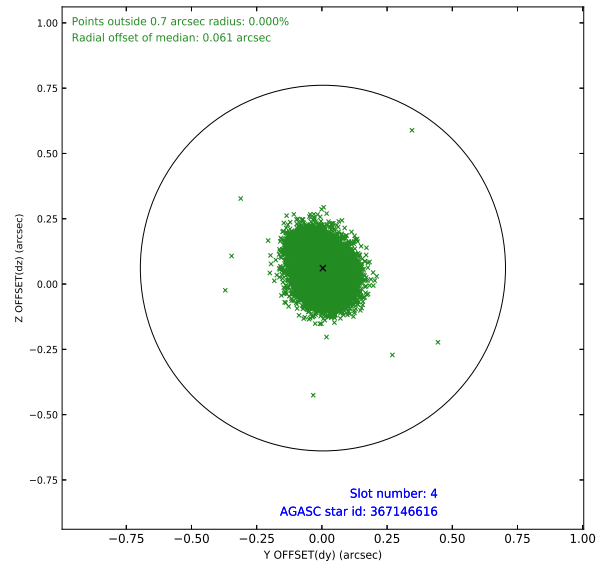
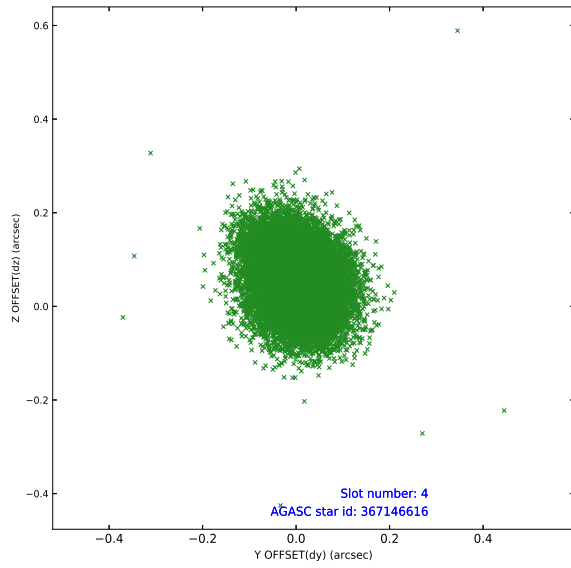
2.4.1 Slot 3



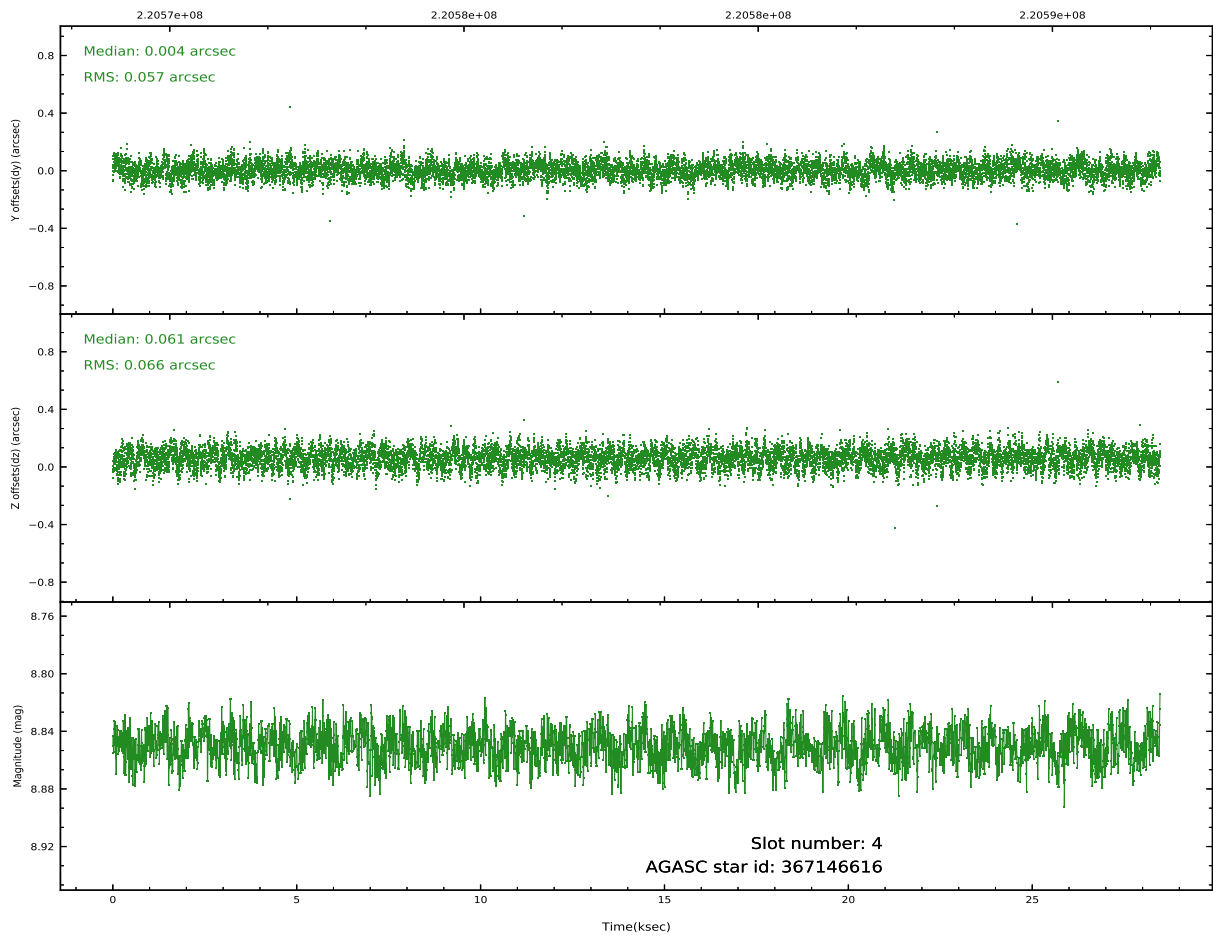
Time (s)



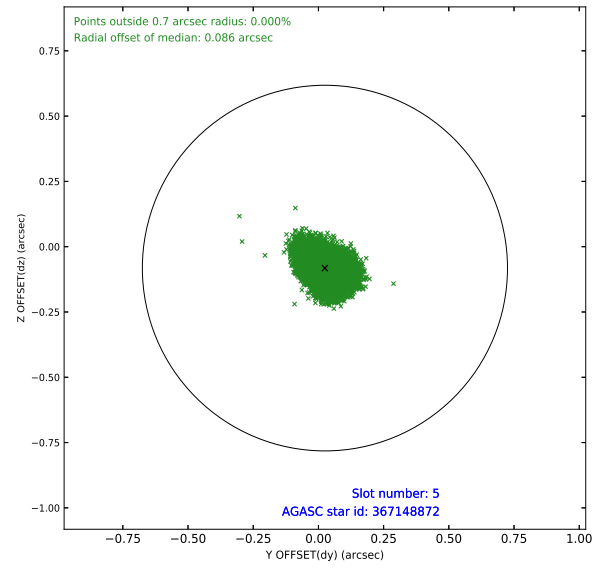
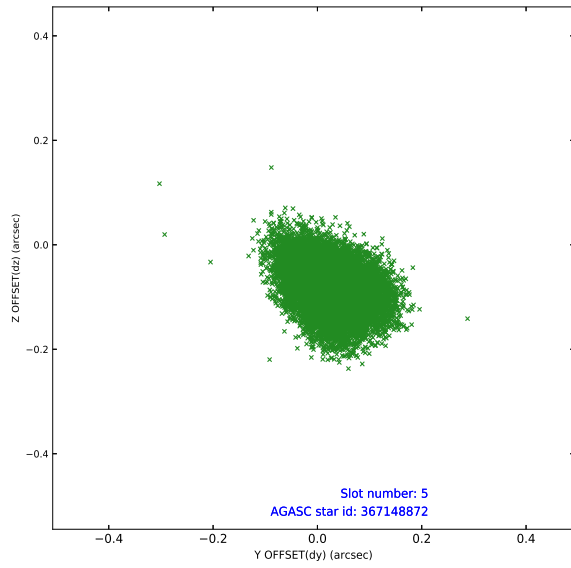
2.4.2 Slot 4



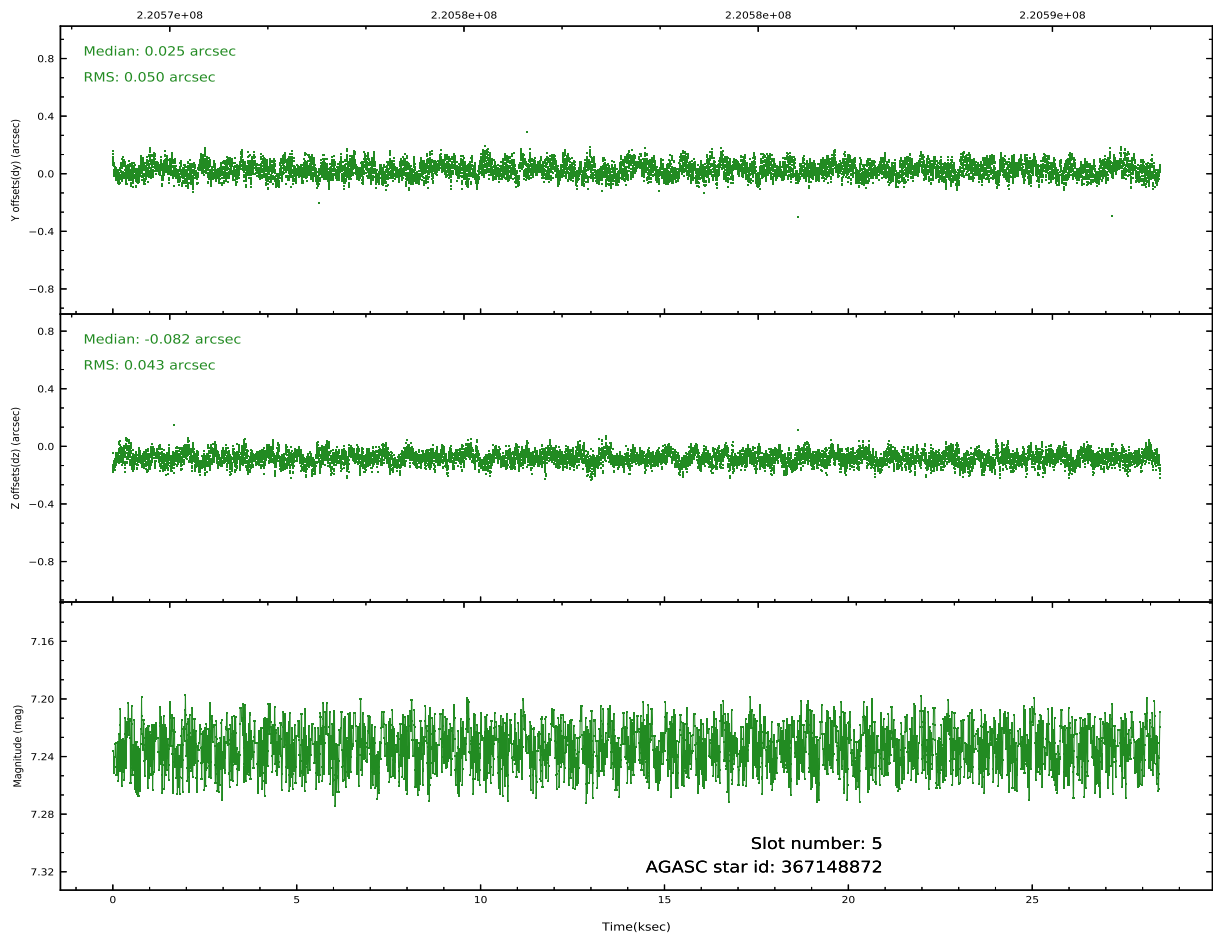
Time (s)



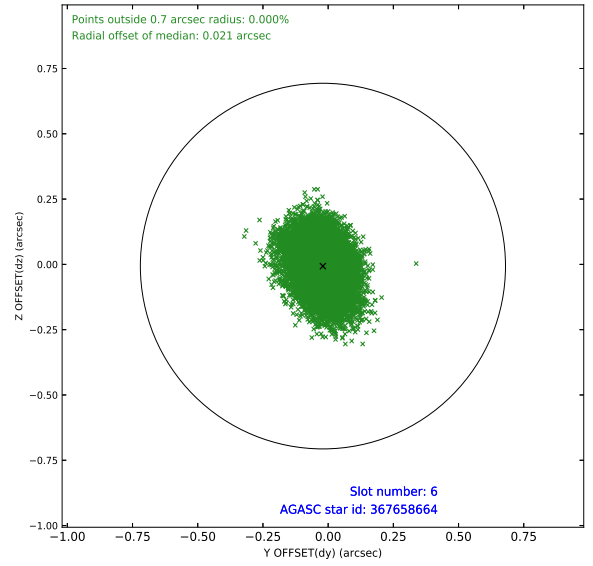
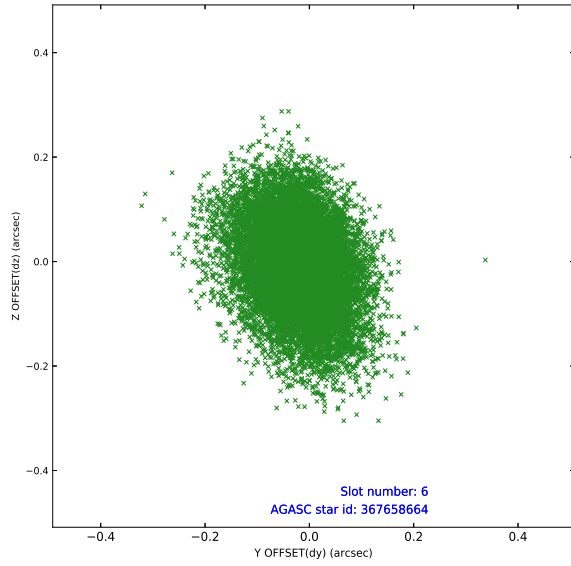
2.4.3 Slot 5



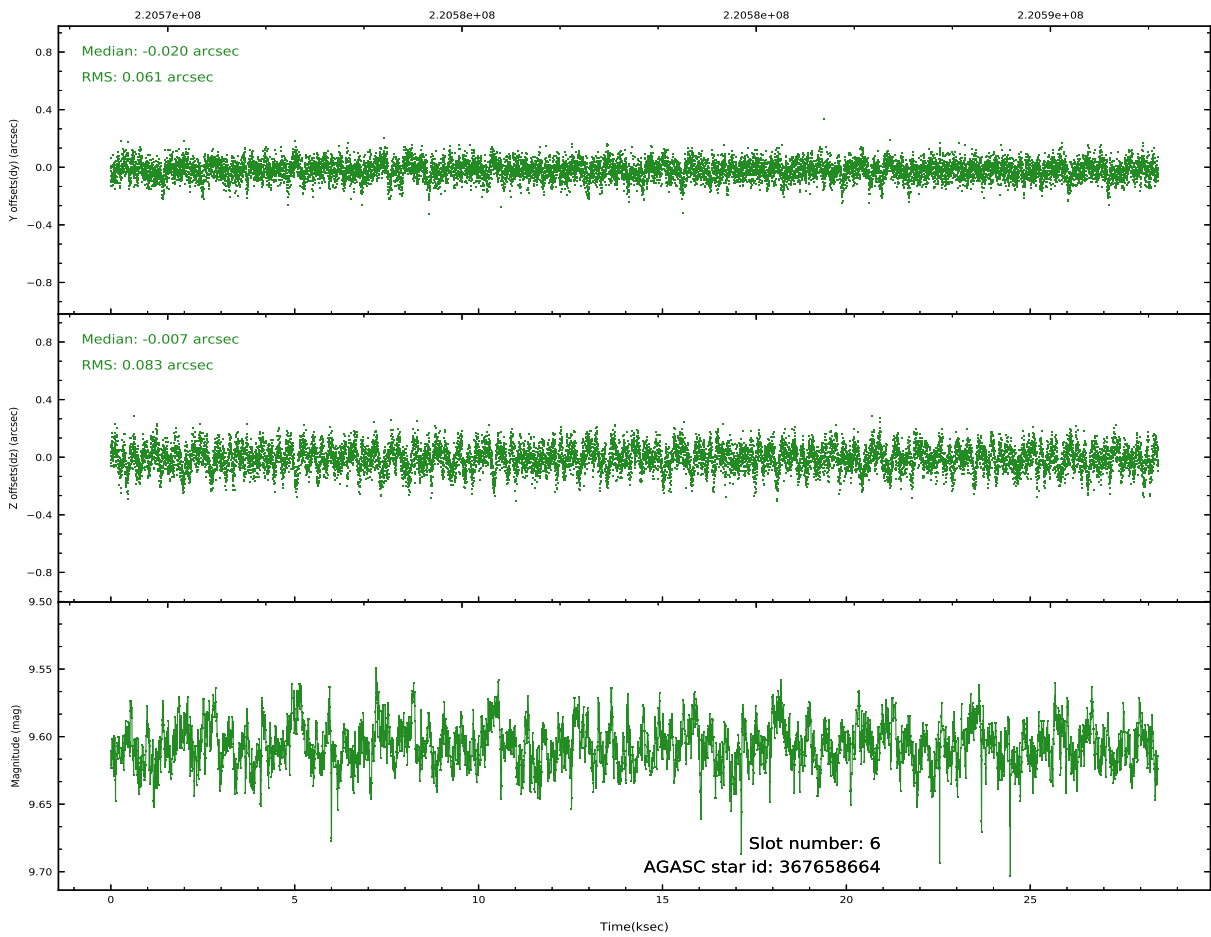
Time (s)



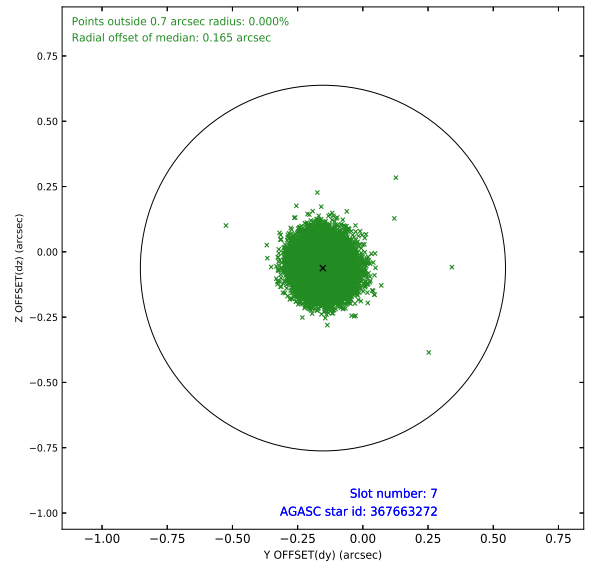
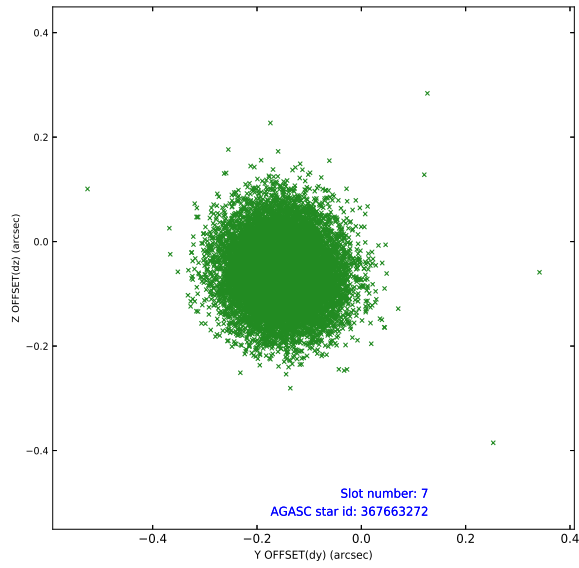
2.4.4 Slot 6



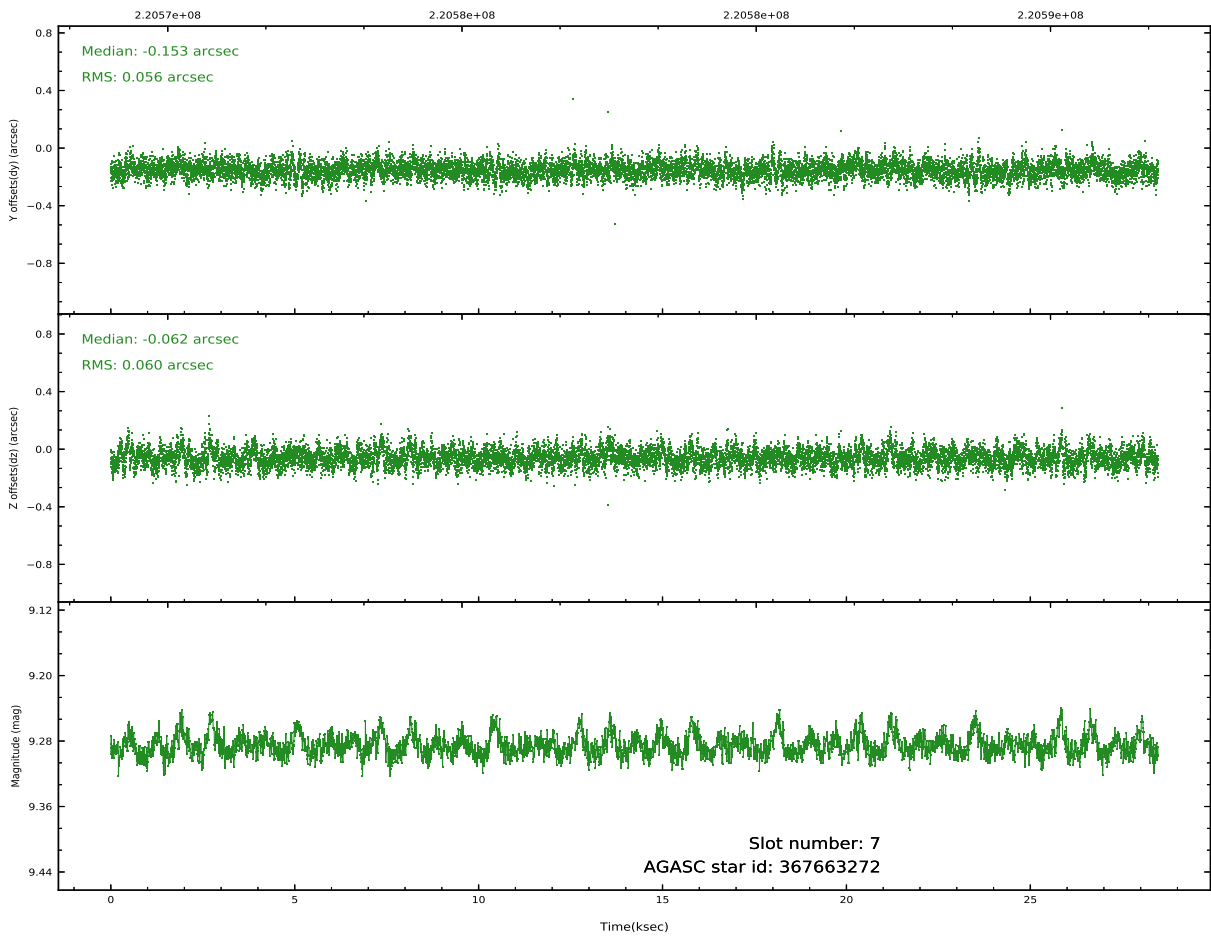
Time (s)



2.4.5 Slot 7

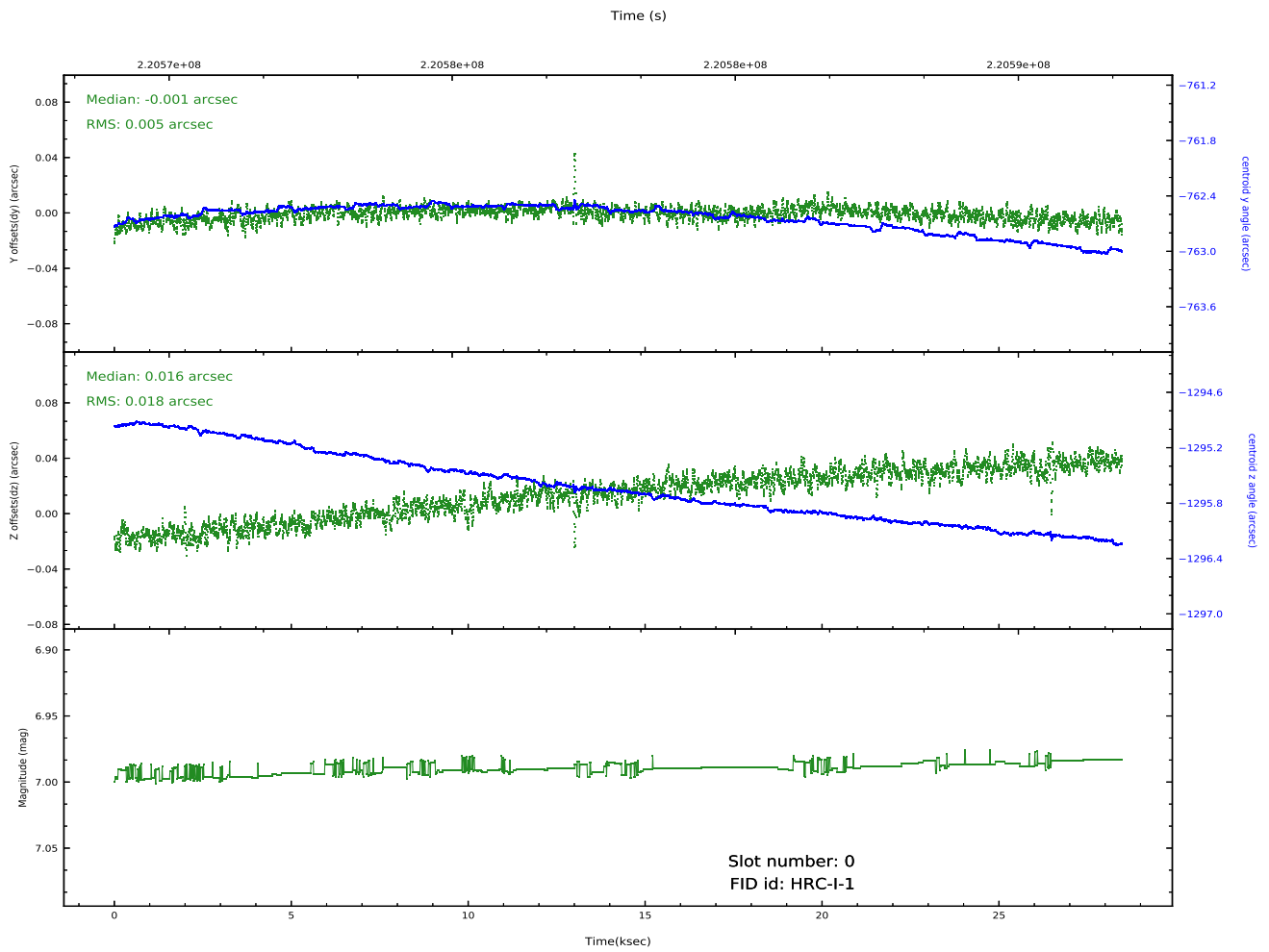
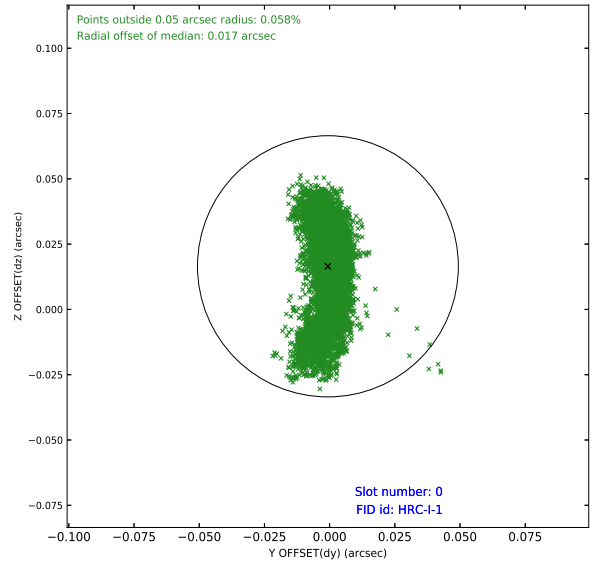
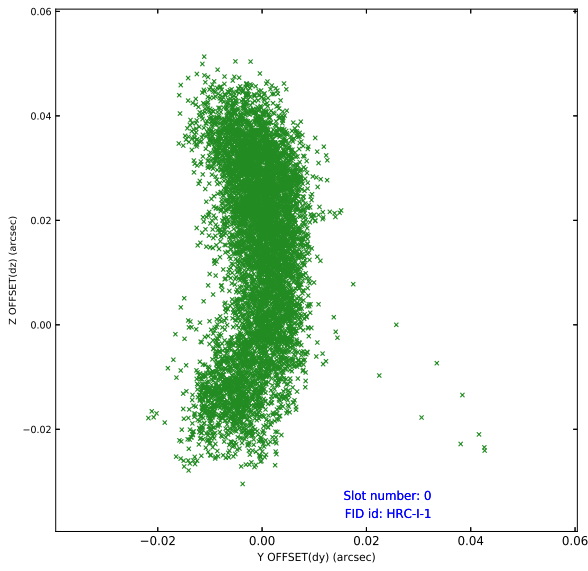


Time (s)

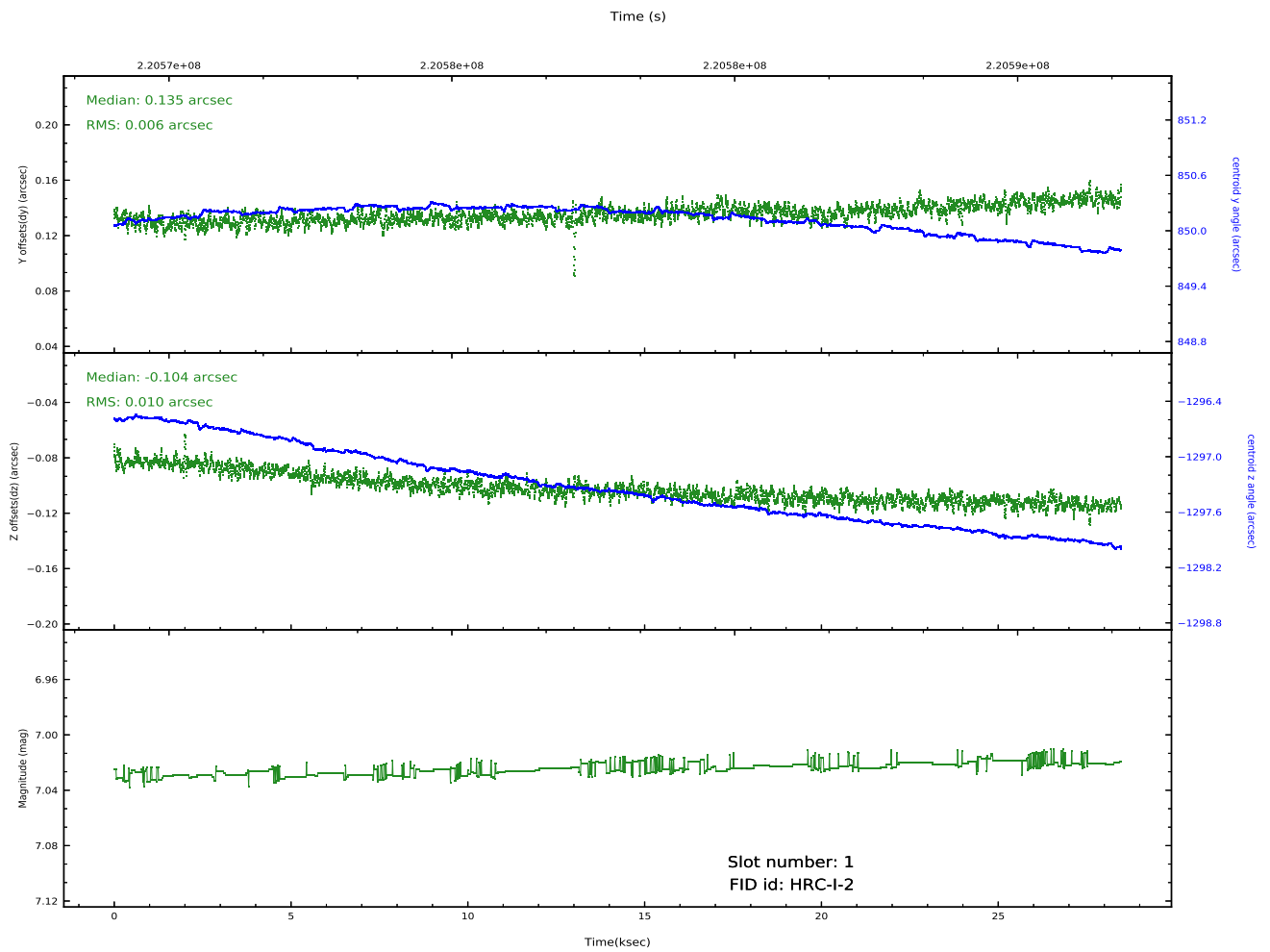
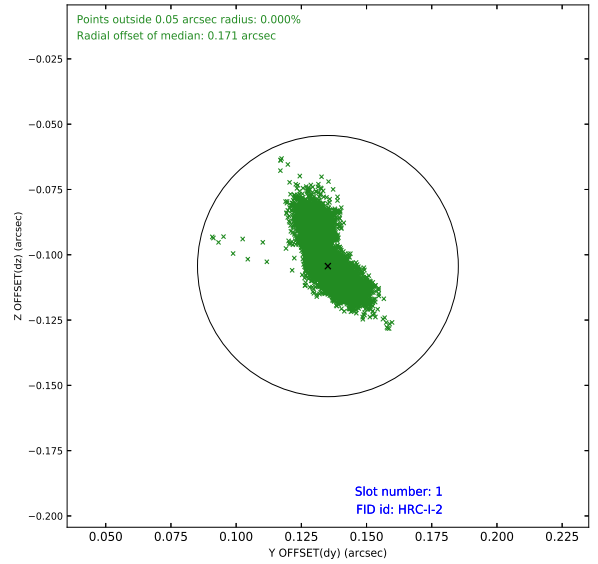
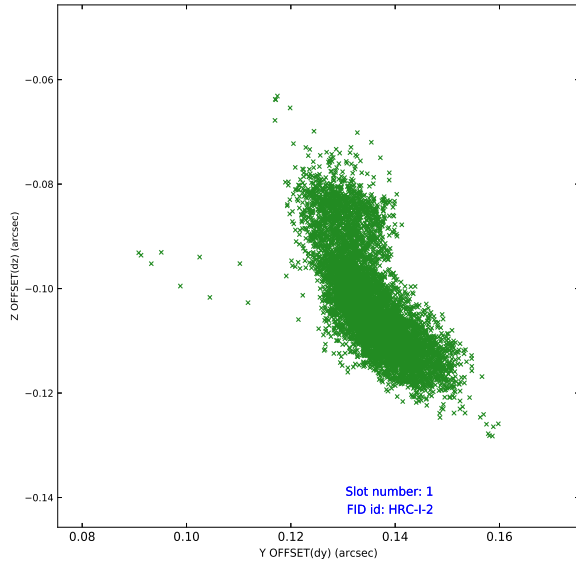


2.5 FID Slots

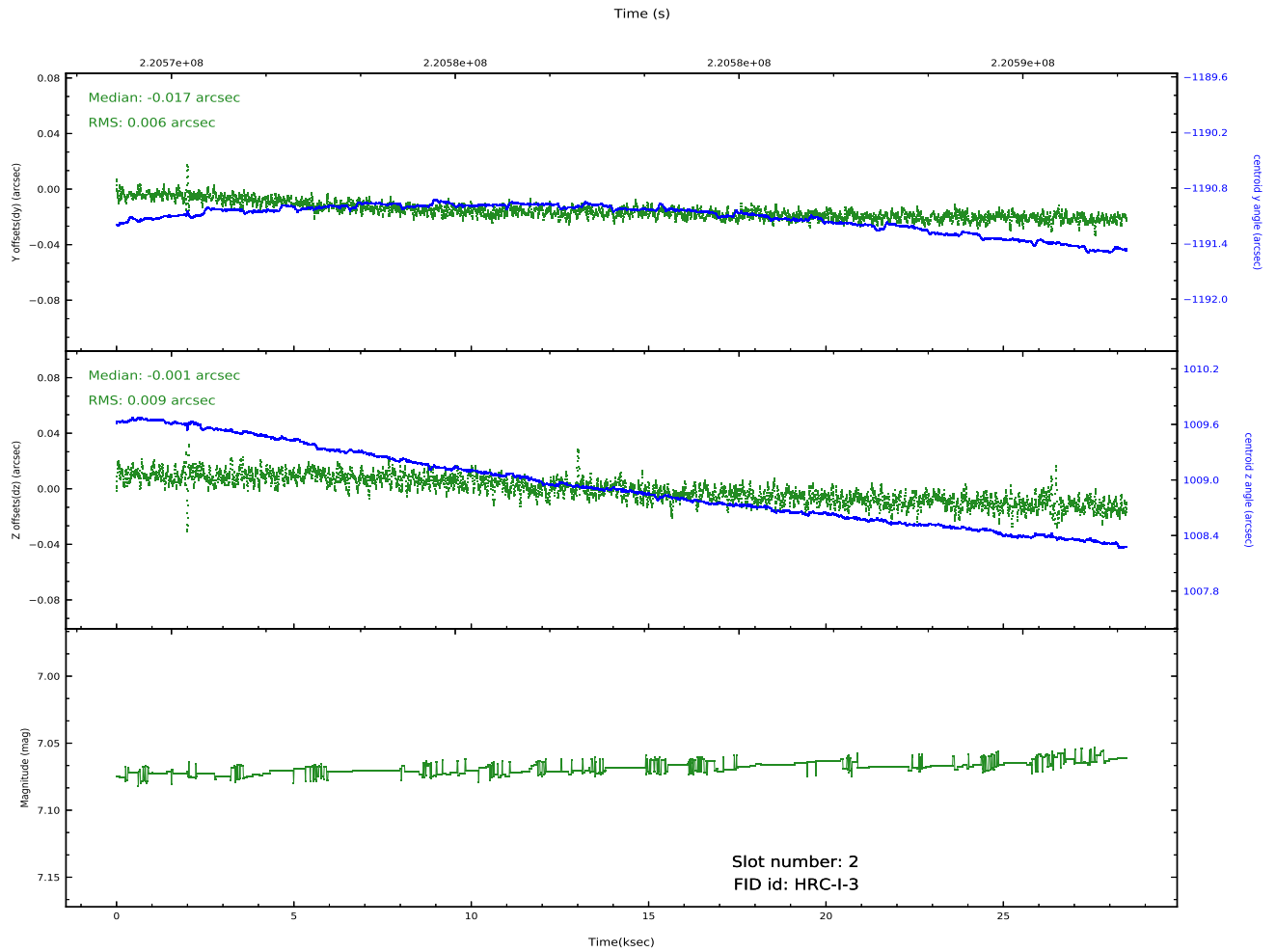
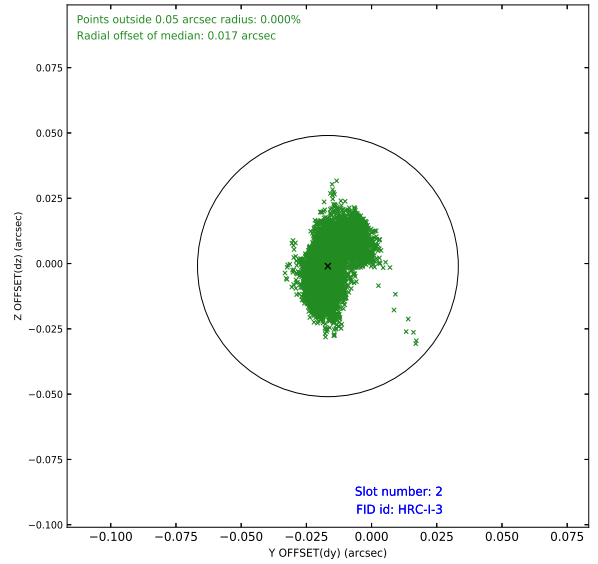
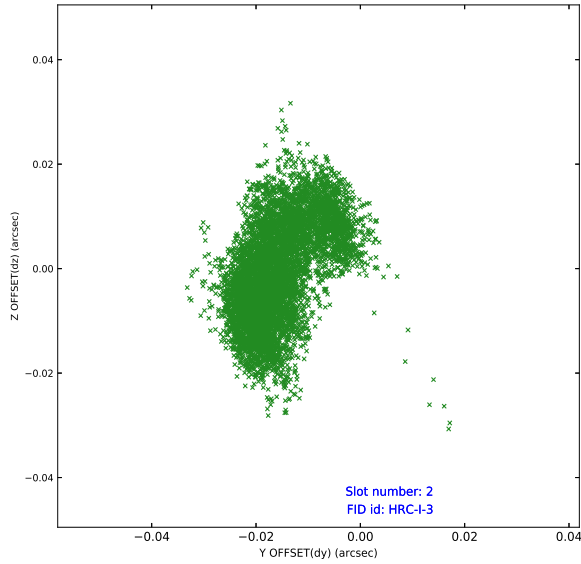
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.4745

A.2 Comments

Joint Proposal: NRAO